

Title (en)

Line head and image forming apparatus using the same

Title (de)

Zeilenkopf und Bilderzeugungsvorrichtung damit

Title (fr)

Tête de ligne et appareil de formation d'images l'utilisant

Publication

**EP 2028014 A2 20090225 (EN)**

Application

**EP 08014688 A 20080819**

Priority

- JP 2007213530 A 20070820
- JP 2008130590 A 20080519

Abstract (en)

A line head (101) includes: a positive lens system having two lenses (L1,L2) with positive refractive power; a lens array (61,62) in which a plurality of the positive lens systems are arrayed in a first direction; a light emitter array (1) in which a plurality of light-emitting elements (2) are arrayed on an object side of the lens array so as to correspond to the one positive lens system; and an aperture plate (30) that forms an aperture diaphragm at the position of an object-side focal point of the positive lens system. An object-side surface of an object-side lens of the positive lens system is positioned close to the object-side focal point.

IPC 8 full level

**B41J 2/45** (2006.01)

CPC (source: EP US)

**B41J 2/451** (2013.01 - EP US); **H04N 1/1912** (2013.01 - EP US); **H04N 1/12** (2013.01 - EP US); **H04N 2201/0082** (2013.01 - EP US)

Citation (applicant)

- JP H024546 A 19900109 - ROHM CO LTD
- JP H06344596 A 19941220 - KYOCERA CORP
- JP H06278314 A 19941004 - KYOCERA CORP

Cited by

US8194112B2; US8179416B2

Designated contracting state (EPC)

DE FR GB

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**EP 2028014 A2 20090225**; **EP 2028014 A3 20090812**; **EP 2028014 B1 20110126**; US 2009052943 A1 20090226

DOCDB simple family (application)

**EP 08014688 A 20080819**; US 19439108 A 20080819